



MECKLENBURG COUNTY

Land Use and Environmental Services Agency Code Enforcement

CODE INTERPRETATION

Mechanical/Plumbing

Code Volume Reference: NC Mechanical Code (2012)

Code Chapter Reference: 507.2.1, 507.2.2

Subject: Type II Hood Clarification

Effective Date: 12/21/2004

Prepared/Revision Date: 5/1/2017

CODE:

507.2.1 Type I hoods. Type I hoods shall be installed where cooking *appliances* produce grease or smoke. Type I hoods shall be installed over heavy-duty and extra-heavy-duty cooking appliances. Type I hoods shall be installed over *light-duty cooking appliances and medium-duty cooking appliances* that produce grease or smoke.

507.2.2 Type II hoods. Type II hoods shall be installed above dishwashers and *light-duty appliances and medium-duty appliances* that produce heat or moisture and do not produce grease or smoke, except where the heat and moisture loads from such appliances are incorporated into the HVAC system design or into the design of a separate removal system. Type II hoods shall be installed above all *light-duty appliances and medium-duty appliances* that produce products of *combustion* and do not produce grease or smoke. Spaces containing cooking appliances that do not require Type II hoods shall be ventilated in accordance with Section 403.3.

Exceptions:

1. Under-counter-type commercial dishwashing machines.
2. A Type II hood is not required for dishwashers and potwashers that are provided with heat and water vapor exhaust systems supplied by the appliance manufacturer and installed in accordance with the manufacturer's installation instructions.
3. Light-duty electric convection, bread, retherm or microwave ovens. The additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system.
4. A Type II hood is not required for the following electrically heated appliances: toasters, steam tables, popcorn poppers, hot dog cookers, coffee makers, rice cookers, egg cookers, holding/warming ovens. The additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system.
5. Low-temperature commercial chemical-type dishwashers.

507.2.3 Domestic cooking appliances used for commercial purposes. Domestic cooking appliances utilized for commercial purposes shall be provided with Type I or Type II hoods as required for the type of appliances and processes in accordance with Sections 507.2, 507.2.1 and 507.2.2.

Exception: A maximum of two domestic ranges installed in dwelling units, churches, schools, day care centers, break areas and similar installations.

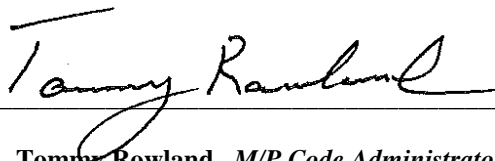
INTERPRETATION:

For purposes of clarification, the cooking equipment referenced in 507.2.1 would involve a “commercial cooking process” where by food is typically prepared and sold to customers. These processes would include culinary schools, public or private schools, hospitals, and large corporate kitchens and similar occupancies.

The exception in 507.2.3 refers to cooking processes that are sporadic and not as intensive as those referred to in 507.2.1 and 507.2.2. These processes could utilize a type II hood due to the limited use and lesser grease accumulation. This would include apartment/condominium clubhouse, appliance sales center or similar.

Prepared by: **Consistency Team**

Approved By: _____

A handwritten signature in black ink, appearing to read "Tommy Rowland", written over a horizontal line.

Tommy Rowland, M/P Code Administrator